

Aerospace Medical Association

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Association Headquarters

October 26, 1969

SUBJECT: Status Report on Activities of the United States National Committee on Engineering in Medicine & Biology [USNCEMB]

TO: Charles Berry, M.D., President ASMA and Members of the Executive Council.

A. Background data

1. Following an invitation from Eric Walker President National Academy of Engineering, the undersigned was nominated and accepted as the ASMA representative to the U.S. National CEMB on 1 July 68.

2. On 10 September 68 the ASMA representative served as a panelist under the Chairmanship of Otto Schmitt, Ph.D. at the Fall meeting of the NAE which presented discussion papers on the subject: Quantitative Methods Applied to Medicine & Biology. The panel discussion constituted one program topic in the two day symposium on Engineering in Medicine.

3. On 15 Oct 68 the member participated in an invited conference convened by the USNCEMB to discuss the formation of an Alliance for Engineering in Medicine. The formation of such an organization was deemed an urgent requirement if the engineering and biomedical committees were to effectively interact on the many problems and challenges intrinsic to stated National Health objectives. Following a day's discussion the assembled group informally approved the proposal and were requested to seek approval to become constituent members in the Alliance from their parent associations.

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4. A letter dated 5 Nov 68 was sent to President John Talbot and Executive Council Members, apprising them of the Committee action to Form the Alliance for Engineering in Medicine & Biology. The ASMA member requested no formal action at that time, but indicated that he had voted in favor of the formation of the Alliance.

5. On 6 May 69 at the ASMA Annual Executive Council meeting, the member presented the constitution and by-laws of the AFEMB for consideration by Council but did not request a formal vote re approval for ASMA constituent membership. Informal discussion with Council members indicated that some were unfavorably disposed toward the proposition.

B. Current status report

1. The Alliance for Engineering in Medicine & Biology was formally organized in Chicago, Illinois on July 21, 1969. Of the 14 Founding members, 5 were oriented in clinical medicine, including the American College of Physicians and Surgeons. Since that time, 10 additional requests for membership have been received and to date, 4 of these have been processed and accepted. The membership of the Alliance as it stands today is as follows:

Full membership: Voting and participation in proceedings
\$1500.00 Institutional stipend - \$100.00 annual.

Full membership:

American College of Physicians
American Society of Internal Medicine
Society for Advanced Medical Systems
Association for the Advancement of Medical Instrumentation
American Association of Physicists in Medicine
American Institute for Ultrasonics in Medicine
American Institute of Chemical Engineers
American Society for Testing & Materials
American Society of Heating, Refrigerating & Air Conditioning Engineers
American Society of Mechanical Engineers

Associate membership: Non-voting and non-participatory.
No initial fee - \$100.00 annual

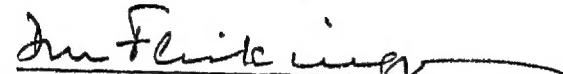
Associate members:

American College of Surgeons
American Academy of Orthopedic Surgeons
American Institute of Biological Sciences
Neuroelectric Society
American Society of Agriculture Engineers

C. Conclusions and recommendation

1. The ASMA representative has previously reported favorably on the question of the Association becoming a constituent member of the Alliance. In his opinion, the broad scope of interests and functional activities reflected in its membership places a direct responsibility upon the ASMA to maintain a dominant position in this rapidly developing inter-disciplinary field of Engineering in Medicine.

2. Recommendation: That the Aerospace Medical Association formally approves action to become a constituent member of the Alliance for Engineering in Medicine & Biology.


Don Flickinger, M.D.

CONSTITUTION
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ALLIANCE FOR ENGINEERING IN MEDICINE AND BIOLOGY

ARTICLE I.

NAME, PURPOSES, AND FUNCTIONS

1. The name of this organization shall be the ALLIANCE FOR ENGINEERING IN MEDICINE AND BIOLOGY, hereinafter called AEMB.
2. The purposes of the AEMB shall be:
 - 2.1 To contribute to the public welfare through scientific, literary, and educational activities, and
 - 2.2 To promote cooperation among associations which have an active interest in the interaction of engineering and the physical sciences with medicine and the biological sciences in enhancement of biological knowledge and health care.
3. To achieve these purposes, the functions of the AEMB shall include:
 - 3.1 Serving as an advisory and coordinating agency concerning relevant national matters of mutual interest to the constituent associations of the AEMB.
 - 3.2 Planning and conducting scientific, technical, and educational meetings and programs, one of which, each calendar year, shall be called the Annual Conference.
 - 3.3 Preparing, publishing, and circulating scientific, technical, and educational papers.
 - 3.4 Carrying on other activities necessary, suitable, and proper for the fulfillment of these objectives.

ARTICLE II.

BYLAWS

1. Bylaws shall be established, as hereinafter set forth, for the purpose of governing the operations and administration of the AEMB. The term "Bylaws" as used in this Constitution refers only to AEMB Bylaws.

ARTICLE III.

MEMBERSHIP

1. Henceforth in this Constitution and Bylaws:

- (a) member refers to individual persons in the context of the statement where the term is used.

ATTACHMENT I

R. D. Allison	E. Friedman	R. Litwak
<u>S. P. Asper</u>	Peter Frommer	<u>John Lyman</u>
Arthur C. Beall, Jr.	A. S. Gates	J. H. Milsum
<u>Carl Berkley</u>	<u>L. A. Geddes</u>	J. H. Mulligan, Jr.
R. L. Bowman	<u>Lester Goodman</u>	Eugene F. Murphy
Leo Brannick	Frank J. Gerow	Ralph G. Nevins
Lyman A. Brewer, III	L. C. Gilbert	Grant C. Riggle
George Bugliarello	<u>R. O. Gorson</u>	E. G. Rosenow, Jr.
<u>John H. Busser</u>	Al Hahn	<u>Robert Rushmer</u>
Edward F. Byars	Richard J. Johns	<u>Anthony Sances, Jr.</u>
<u>C. A. Caceres</u>	Maurice Jones	O. B. Schier
M. R. Clarkson	<u>Allan Kahn</u>	<u>Otto H. Schmitt</u>
Robert L. Dedrick	Adrian Kantrowitz	Laurence Slote
<u>Murray Eden</u>	Charles A. Kelsey	F. J. Van Antwerpen
<u>Peter D. Edmonds</u>	<u>H. Laufman</u>	<u>Fred B. Vogt</u>
Richard Emberson	Lewis A. Leavitt	L. I. Von Micsky
Howard Emmons	Ed Leonard	Gerald Vurek
David Fleming	Sumner N. Levine	<u>George Webb</u>
<u>Don Flickinger</u>	Otha W. Linton	Jack K. Wickstrom
Maurice D. Frazer	Harry Lipscomb	Norman R. Zinner

A number of associations have formally expressed interest in the formation of the new organization here referred to as the Alliance for Engineering in Medicine and Biology. Statements range from requests for continued information on the progress of events to firm intent to participate when particulars are finalized. The list includes:

"Medically oriented" groups

Aerospace Medical Association

American Academy of Maxillofacial Prosthetics
American Academy of Occupational Medicine
American Academy of Orthopaedic Surgeons
American Academy of Pediatrics
American Academy of Physical Medicine and Rehabilitation
American Association of Blood Banks
American Association of Pathologists and Bacteriologists
American Association of Physicists in Medicine
American Association for Thoracic Surgery
American College of Cardiology
American College of Obstetricians and Gynecologists
American College of Physicians
American College of Radiology
American College of Surgeons
American Heart Association
American Orthotic and Prosthetic Association
American Society of Anesthesiologists
American Society of Artificial Internal Organs
American Society of Plastic and Reconstructive Surgeons, Inc.
Association of Military Surgeons of the United States
International Cardiovascular Society
National Committee for Research in Ophthalmology and Blindness
Radiological Society of North America, Inc.
Society of Thoracic Surgeons

"Technically oriented" groups

American Institute for Ultrasonics in Medicine
American Society of Civil Engineers
American Society of Heating, Refrigeration and Air-Conditioning Engineers, Inc.
American Society for Testing and Materials
Biomedical Engineering Society
Health Physics Society

"Biologically oriented" groups

American Institute of Biological Sciences
Biophysical Society

Affiliates of the Joint Committee on Engineering in Medicine and Biology

Association for the Advancement of Medical Instrumentation
American Institute of Chemical Engineers
American Society of Mechanical Engineers
Instrument Society of America